

Stereo Optical Company Vision Tester Slide Package:

5222PATTI Slide Package

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PN 5222PATTI

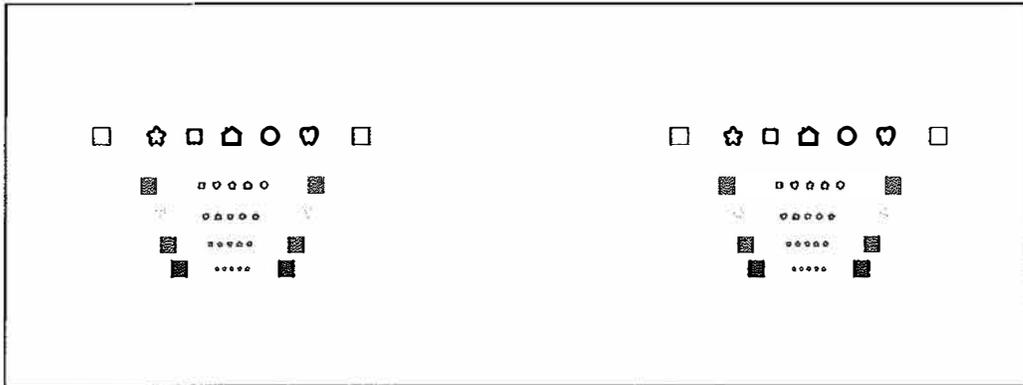
Slide 2000-182P FAR VISUAL ACUITY PATTI BINOCULAR

1. Dial at 1 (Yellow) Indicator

2. FAR Point switch illuminated 

3. Acuity Binocular Far

Right Eye and Left Eye switches illuminated 



Questions: Ask the student to read Line 1 completely. If this is correct, proceed to lines 2, 3, 4 and 5. If all lines are answered correctly, the student has 20/20 vision or better at DISTANCE for both eyes together.

Two or more images incorrectly identified on any line (1 to 5) is considered a FAIL for the acuity levels.

LINE/ACUITY	COLOR	BOTH EYES
1 20/100	White	Star, Square, House, Circle, Apple
2 20/40	Red	Square, Apple, Star, House, Circle
3 20/32	Amber	Apple, House, Square, Circle, Star
4 20/25	Green	Square, Star, Apple, House, Circle
5 20/20	Blue	Star, Square, Circle, Apple, House

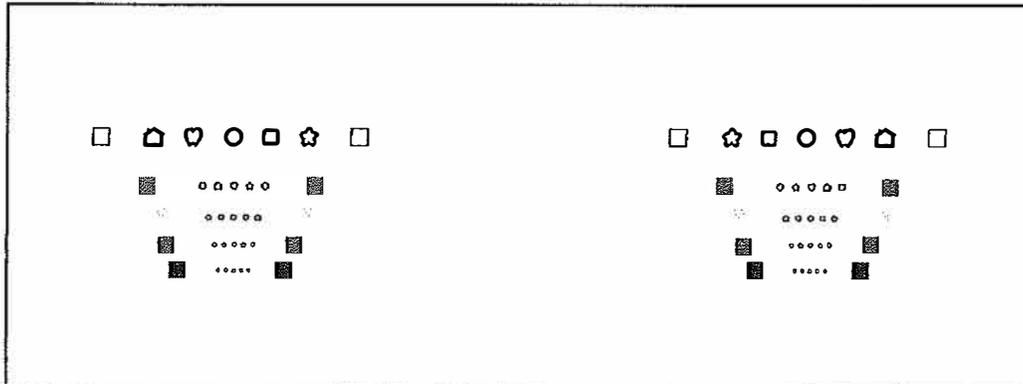
Slide 2000-183P FAR VISUAL ACUITY PATTI MONOCULAR

1. Dial at 2 (Yellow) Indicator

2. FAR Point switch illuminated 

3. Acuity Right Eye Far

Right Eye switch illuminated 



Question: Ask the student to read line 1 completely. If this is correct, proceed to lines 2, 3, 4 and 5. If all lines are answered correctly, the student has 20/20 vision or better at DISTANCE point for eye.

Two or more images incorrectly identified on any line (1 to 5) is considered a FAIL for the acuity levels.

Repeat same procedure for left eye.

4. Acuity Left Eye Far

Left Eye switch illuminate 

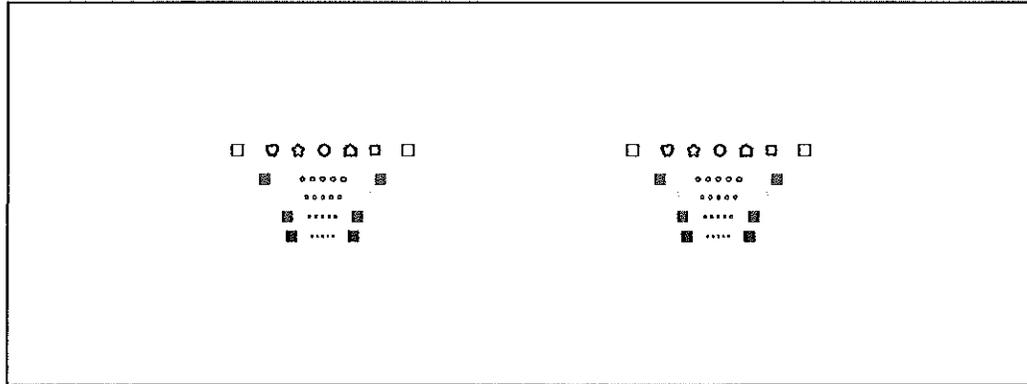
LINE/ACUITY	COLOR	RIGHT EYE	LEFT EYE
1 20/100	White	Star, Square, Circle, Apple, House	House, Apple, Circle, Square, Star
2 20/40	Red	Circle, Star, Apple, House, Square	Square, House, Apple, Star, Circle
3 20/32	Amber	House, Apple, Circle, Square, Star	Star, Square, Circle, Apple, House
4 20/25	Green	Square, House, Apple, Star, Circle	Circle, Star, Apple, House, Square
5 20/20	Blue	Apple, Square, House, Circle, Star	Star, Circle, House, Square, Apple

Slide 2000-187P NEAR VISUAL ACUITY PATTI BINOCULAR

1. Dial at 3 (Blue) Indicator

2. Near Point switch illuminated 

3. Right Eye and Left Eye switches illuminated  | 



Questions: Ask the subject to read line 1 completely. If this is correct, proceed to lines 2, 3, 4 and 5. If all lines are answered correctly the subject has 20/20 vision or better, at near point for each eye.

Two or more images incorrectly identified on any line (1 to 5) is considered a FAIL for the acuity levels.

LINE/ACUITY	COLOR	BOTH EYES
1 20/100	White	Apple, Star, Circle, House, Square
2 20/40	Red	Star, Square, Apple, Circle, House
3 20/32	Amber	Square, Circle, Star, House, Apple
4 20/25	Green	Star, Apple, Square, Circle, House
5 20/20	Blue	Apple, Star, House, Square, Circle

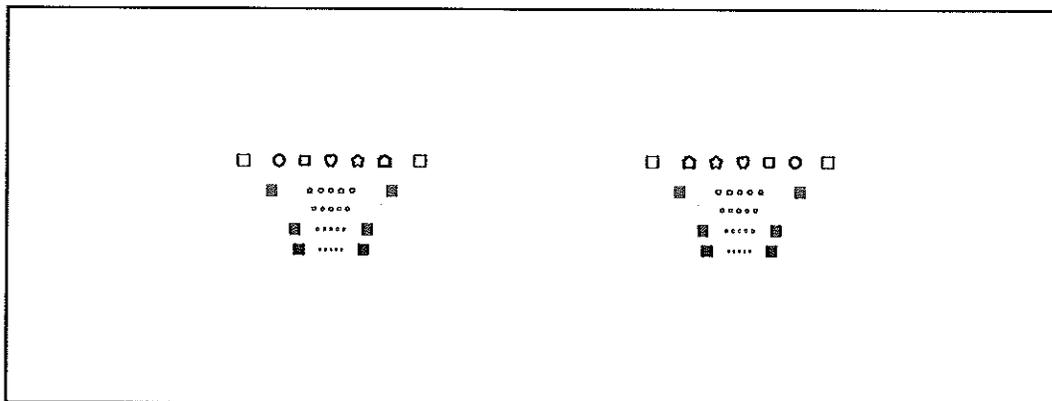
Slide 2000-188P NEAR VISUAL ACUITY PATTI MONOCULAR

1. Dial at 4 (Blue) Indicator

2. Near Point switch illuminated 

3. Acuity Right Eye Near

Right Eye switch illuminated 



Questions: Ask the subject to read line 1 completely. If this is correct, proceed to lines 2, 3, 4 and 5. If all lines are answered correctly the subject has 20/20 vision or better, at near point for each eye.

Two or more images incorrectly identified on any line (1 to 5) is considered a FAIL for the acuity levels.

Repeat same procedure for Right Eye.

4. Acuity Left Eye Near

Left Eye switch illuminated 

LINE/ACUITY	COLOR	RIGHT EYE	LEFT EYE
1 20/100	White	House, Star, Apple, Square, Circle	Circle, Square, Apple, Star, House
2 20/40	Red	Apple, House, Square, Circle, Star	Star, Circle, Square, House, Apple
3 20/32	Amber	Circle, Square, House, Star, Apple	Apple, Star, House, Square, Circle
4 20/25	Green	Star, Circle, Square, Apple, House	House, Apple, Square, Circle, Star
5 20/20	Blue	Square, Star, Circle, House, Apple	Apple, House, Circle, Star, Square

Slide 2000-004 "FAR" VISUAL ACUITY TUMBLING "E"

ACUITY RIGHT EYE "FAR"

1. Dial at 5 (Yellow) indicator.

2. Far Point switch illuminated



3. Right eye switch illuminated



Ask the child to identify the direction the E's are pointing: up, down, right or left, in the top line, starting with the largest E. Confirm the last correct answer by having the child read the corresponding line A,B,C, or D.

For example: The child has read through #4 correctly, 20/40 vision. The child should then read line B (20/40)

The correct reading of four of the six symbols confirms 20/40 vision. Proceed to line C, a correct reading of four of the six symbols will confirm 20/30. Then proceed to line D with the same format. If read correctly, the child has 20/20 vision.

ACUITY LEFT EYE "FAR"

1. Dial at 5 (Yellow) indicator.

2. Far Point switch illuminated

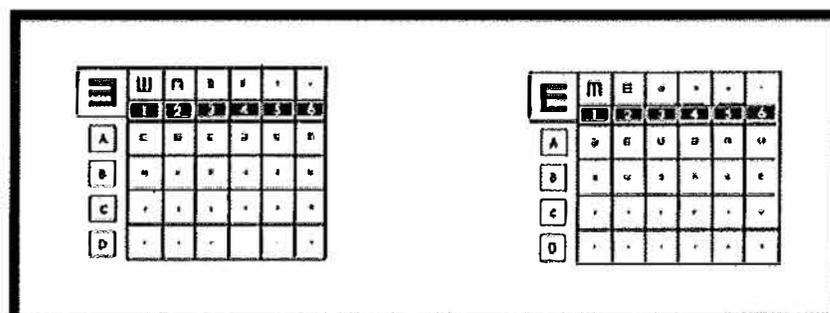


3. Left eye switch illuminated



Proceed as in Right Eye Testing

20/200
20/100
20/70
20/50
20/40
20/30
20/20



Right Eye

R	B	R	L	L	T	B
	1	2	3	4	5	6
A	L	R	T	L	B	T
B	T	T	L	B	T	R
C	L	B	R	R	L	T
D	R	T	R	L	T	B

Left Eye

L	T	B	L	R	L	T
	1	2	3	4	5	6
A	R	T	R	L	T	B
B	B	R	B	L	L	R
C	L	T	T	L	R	B
D	R	L	T	L	B	T

THE PLUS LENS SYSTEM
for
Slide 2000-004 "FAR" Visual Acuity Tumbling "E"

The plus lens system tests for excessive farsightedness (hyperopia). The plus lens system supplied with this Custom Slide Package is a plus 1.75 Diopter Lens.

Insert the lens into the slot at the top of the face plate with the label away from the subject.

A child with normal vision will **NOT** be able to read the 20/20 line through the plus lens, a **PASS**. If the child **CAN** read the 20/20 line through the plus lens, he then **FAILS** the test. The ability to clearly read 20/20 through the plus lens is abnormal and could indicate excessive farsightedness.

This test is very important for school age children.

ACUITY RIGHT EYE THROUGH PLUS LENS "FAR"

1. Dial at 5 (Yellow or Far) indicator
2. Far Point switch illuminated
3. Right eye switch illuminated
4. Insert PLUS LENS into the slots on the top of vision tester

Ask the child to read line D (20/20)

If read correctly it is a FAIL, if it cannot be read correctly, a PASS.

ACUITY LEFT EYE THROUGH PLUS LENS "FAR"

1. Dial at 5 (Yellow or Far) indicator
2. Far Point switch illuminated
3. Left eye switch illuminated
4. Insert PLUS LENS into the slots on the top of vision tester

Repeat the same procedure as Right Eye Plus Lens Test

Note: REMEMBER TO REMOVE THE PLUS LENS BEFORE STARTING THE NEXT TEST.

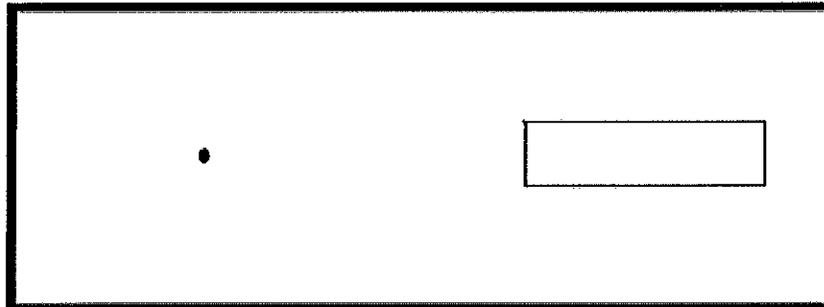
Slide 2000-020 "FAR" MUSCLE BALANCE

1. Dial at 6 (Yellow) indicator

2. Far Point switch illuminated



3. Right eye switch illuminated



Question: "Do you see a box?" If yes, tell the subject that a red ball is being thrown at the box, simultaneously, turn the Left occluder ON. Ask, "where does the ball land, IN or OUT of the box?"

Anywhere In the box is a PASS, Outside of the box is a FAIL.

Record the initial response.

SLIDE 2000-019 "FAR" TUMBLING "E" COLOR PERCEPTION

1. Dial at 7 (Yellow) indicator.

2. Far Point switch illuminated 

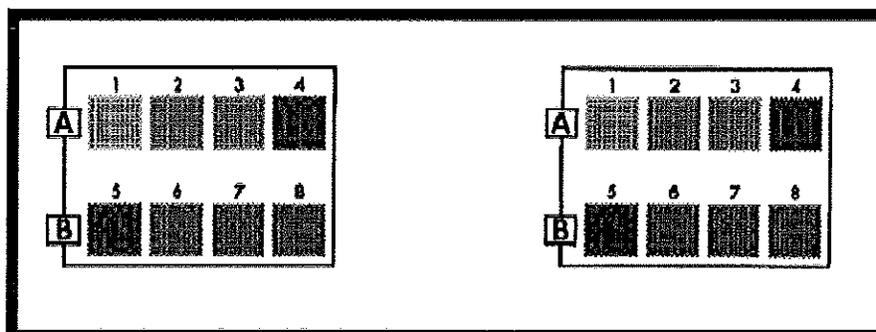
3. Right & Left eye switches illuminated 

This color perception slide is made for a visual acuity of 20/70 or better in both eyes. If the subject's vision is below 20/70 he will fail the test, not because of a color perception problem, but because of low acuity.

A person with normal color perception can identify the E's in each of the eight blocks.

Acceptable color perception is correctly identifying five of the eight E's. Blocks 2 and 3 are the most difficult to identify, so it is recommended to test block 1 then 4,5,6,7,8 and then come back to 2 and 3.

To test, ask the child which way the E is pointing in each block: up, down, right or left, starting with block #1.



Any child who fails one or more tests in Tests 1, 2, or 3 should be retested at a later date. When retested, many children will pass the second time. There are many normal reasons for this, such as medications, tiredness or anxiety. Retesting also makes referrals more valid.

Line	A	1=R	2=L	3=B	4=T
Line	B	5=B	6=L	7=T	8=R
	Left-L	Right-R	Top-T	Bottom-B	

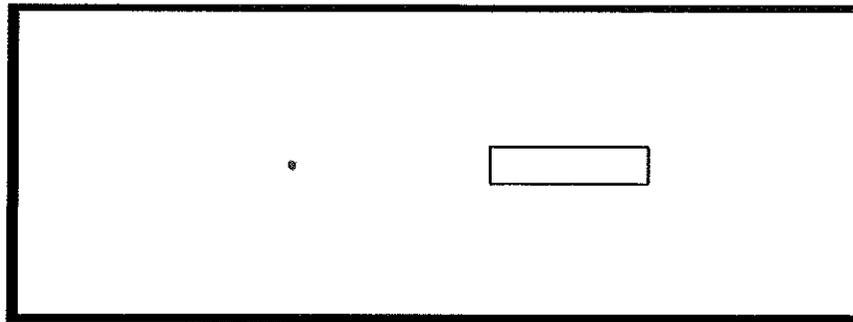
Slide 2000-022 “NEAR” MUSCLE BALANCE

1. Dial at 8 (Blue) indicator

2. Near Point switch illuminated



3. Right eye switch illuminated



Question: “Do you see a box?” If yes, tell the subject that a red ball is being thrown at the box, simultaneously, illuminate the Left Eye switch. Ask, “Where does the ball land, IN or OUT of the box?” Anywhere in the box is a PASS, outside the box is a FAIL.

SCORING: Anywhere IN the box is a PASS. OUT of the box is a FAIL. Record the initial response.

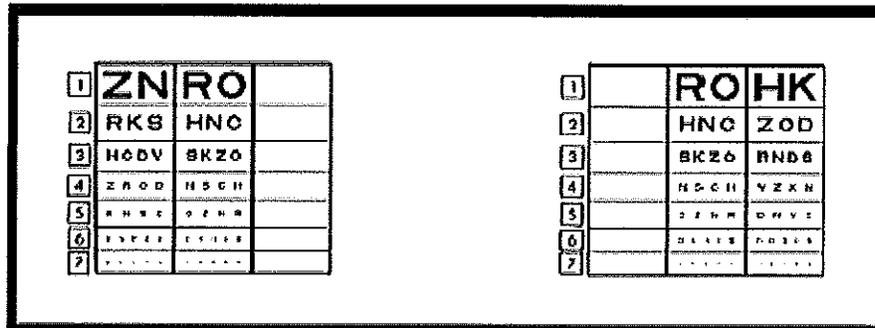
Slide 2000-003 "FAR" VISUAL ACUITY LETTERS

1. Dial at 9 (Yellow) indicator

2. Far Point switch illuminated



3. Right and Left eye switches illuminated



Questions: "How many columns of letters do you see?" The answer is 3. Ask the subject to read line 5 completely. If this is correct, proceed to line 6, if correct proceed to line 7, if correct, the subject has 20/20 vision or better, at FAR point for the right eye, left eye and both eyes together. The correct scoring key is printed on the record form.

Two or more letters incorrectly identified on any line (3 to 7) PER COLUMN is considered a FAIL for that acuity level IN THAT COLUMN.

A different acuity reading for each column is possible. The center column is critical because this is the binocular acuity test, while the right and left columns are monocular acuity tests.

A monocular (only) acuity test can be administered on the right or left eye by occluding the eye not being tested. With one eye occluded, the subject will only see two columns with letters.

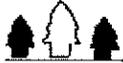
Some of the binocular irregularities that can occur are:

1. Either right or left column appears fuzzy or blurred.
2. A complete lack of targets in either right and left column will indicate a vision problem.
3. An intermittent disappearance of targets in either the right or left column.
4. Failure to fuse the right and left eye area of the slide into three columns of letters.

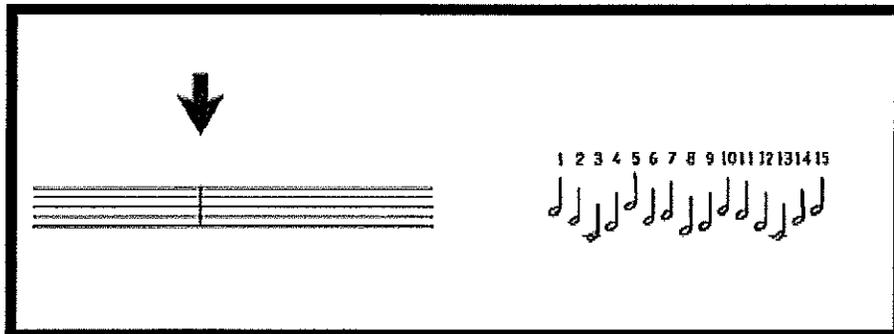
LINE/ACUITY	RIGHT EYE	BOTH EYES	LEFT EYE
1 20/200	HK	RO	ZN
2 20/100	ZOD	HNC	RKS
3 20/70	RNDS	SKZO	HCDV
4 20/50	VZKN	NSCH	ZROD
5 20/40	DNVC	OZNR	KHSC
6 20/30	KDSON	DKHCS	ONRZV
7 20/20	HSNRD	VRZKO	SDCHN

SLIDE 2000-012 "FAR" LATERAL PHORIA

1. Dial at 10 (Yellow) Indicator.

2. Far Point switch illuminated 

3. Right Eye switch illuminated 



Question: "Do you see a series of musical notes?" If yes, ask "How many?" The answer is 15. Tell the subject a musical staff with a white arrow will appear. Simultaneously turn the LEFT occluder switch ON. "Tell me which note the arrow is pointing to."

The arrow pointing to #8 is ideal or orthophoric, pointing between 3 1/2 and 12 1/2 is the accepted norm. 1 to 8 indicates Esophoria, 8 to 15 indicates Exophoria. Each number represents one prism diopter of power.

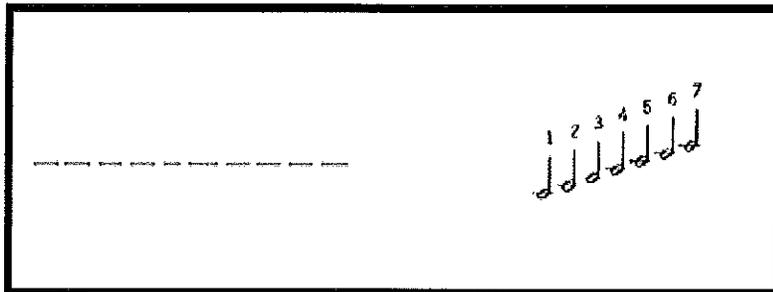
NOTE: This test cannot be given to a subject with vision in only one eye, this is a binocular test only.

Slide 2000-025 "FAR" VERTICAL PHORIA

1. Dial at 11 (Yellow) indicator

2. Far Point switch illuminated 

3. Right Eye switch illuminated 



Question: "Do you see a series of musical notes?" If yes, ask "How many?"

The answer is 7.

Tell the subject a red broken line will appear. Simultaneously turn LEFT occluder switch ON. "The line crosses the round part of which note?"

The red broken line passing through note #4 is ideal or orthophoric. Anywhere from 2 1/2 to 5 1/2 is the accepted norm.

The Vertical Phoria Test measures how the eyes work together on the vertical plane. Each number represents 1/2 diopter of power.

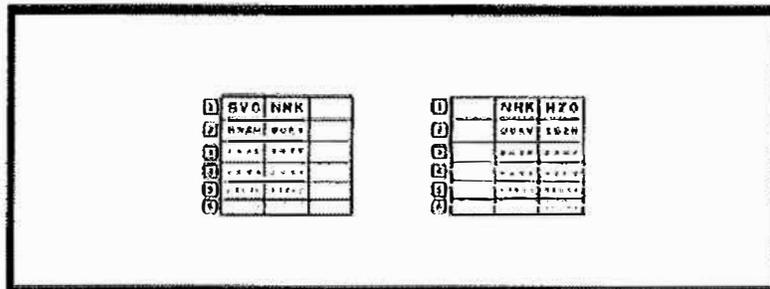
NOTE: This test cannot be given to a subject with vision in only one eye, this is a binocular test only.

Slide 2000-007 "NEAR" VISUAL ACUITY LETTERS

1. Dial at 12 (Blue) indicator.

2. Near/Far Point switch illuminated 

3. Right and Left eye switches illuminated  



Question: "How many columns of letters do you see?" The Answer is 3. Ask the subject to read line 4 all the way across. If correct, proceed to line 5, if correct, proceed to line 6. If line 6 is correct, the subject has 20/20 vision or better at NEAR point for the right eye, left eye, and both eyes together. The correct scoring key is printed on the record form.

Some binocular irregularities that can occur are:

1. Either right or left column appears fuzzy and blurred.
2. A complete lack of targets in either right or left column will indicate a vision problem.
3. An intermittent disappearance of targets in either the right or left column.
4. Failure to fuse the right and left eye area of the slide into three columns of letters.

Two or more letters incorrectly identified on line 3 to 6 PER COLUMN is considered a FAIL for that acuity level IN THAT COLUMN.

A different acuity reading for each column is possible. The center column is critical because this is the binocular acuity test, while the right and left columns are only monocular acuity tests.

LINE/ACUITY	LEFT EYE	BOTH EYES	RIGHT EYE
1 20/100	SVC	NRK	HZO
2 20/70	RNZH	DOKV	CSZN
3 20/50	CKVD	SNZR	DOHC
4 20/40	VHRN	ODSK	NZCS
5 20/30	HSKRC	NZDOV	ZSHNK
6 20/20	ZONVR	HCSKD	VKCDS



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