

Pharmaceutical Round Robin Proficiency Testing Program Round 36

<u>Round</u>	<u>Analyte</u>	<u>Lab</u>	<u>Mcg Found</u>	<u>Mcg Added</u>	<u>% Recovery</u>	<u>Round Score[^]</u>	<u>Three Round Score^{^^}</u>
						<u>Result</u>	<u>% Accept.</u>
33 - Retest	Glipizide	102800	5.5	5.25	105	A	83%
		102800	27.1	26.26	103	A	Pass
		102800	72.5	75.04	96.6	A	
		102800	79.8	105.05	76.0	L	
		102800	152.7	150.08	102	A	
		102800	198.5	200.10	99.2	A	

Performance Limit Range[#]: 90 - 110% Recovery

Round Performance Statistics*: (n=66)				Round Performance*:
Mean	99.9	A	92%	A
SD	8.28	L	3%	
CV (%)	8.28	H	5%	

<u>Round</u>	<u>Analyte</u>	<u>Lab</u>	<u>Mcg Found</u>	<u>Mcg Added</u>	<u>% Recovery</u>	<u>Round Score[^]</u>	<u>Three Round Score^{^^}</u>
						<u>Result</u>	<u>% Accept.</u>
34 (Practice)	Niacin	102800	1.3	2.05	63.4	L	83%
		102800	7.8	8.20	95.1	A	Pass
		102800	19.8	20.50	96.6	A	
		102800	39.8	40.99	97.1	A	
		102800	67	68.32	98.1	A	
		102800	101.4	102.48	98.9	A	

Performance Limit Range[#]: 90 - 110% Recovery

Round Performance Statistics*: (n=66)				Round Performance*:
Mean	93.0	A	79%	A
SD	13.0	L	21%	
CV (%)	14.0	H	0%	

<u>Round</u>	<u>Analyte</u>	<u>Lab</u>	<u>Mcg Found</u>	<u>Mcg Added</u>	<u>% Recovery</u>	<u>Round Score[^]</u>	<u>Three Round Score^{^^}</u>
						<u>Result</u>	<u>% Accept.</u>
35	Diflunisal	102800	77.3	76.35	101	A	83%
		102800	58.1	56.26	103	A	Pass
		102800	40.2	40.18	100	A	
		102800	19.4	20.10	96.5	A	
		102800	13.9	15.07	92.2	A	
		102800	3.6	4.019	89.6	L	

Performance Limit Range[#]: 90 - 110% Recovery

Round Performance Statistics*: (n=66)				Round Performance*:
Mean	101.6	A	88%	A
SD	7.0	L	3%	
CV (%)	6.9	H	9%	

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<u>Round</u>	<u>Analyte</u>	<u>Lab</u>	<u>Mcg Found</u>	<u>Mcg Added</u>	<u>% Recovery</u>	<u>Round Score[^]</u>	<u>Three Round Score^{^^}</u>	
						<u>% Accept.</u>	<u>No. Passing</u>	<u>Proficiency</u>
36	Niacin	102800	31.3	31.2	100	A	100%	P
		102800	63.2	65.6	96.4	A	Pass	
		102800	105.3	101.5	104	A		
		102800	15.5	15.6	99.3	A		
		102800	11.8	11.7	101	A		
		102800	71.9	72.6	99.0	A		

Performance Limit Range[#]: 90 - 110% Recovery

Round Performance Statistics*: (n=72)				Round Performance*:
Mean	98.8	A	99%	A
SD	3.5	L	1%	
CV (%)	3.6	H	0%	

Notes:

***Round Performance - All Labs:**

- # Revised performance limit range from Pharmaceutical Round Robin Meeting, AIHce 2007.
- n: Number of reported results (reported by due date) by all labs for the round
- A: Percent of acceptable results by all labs for the round
- L: Percent of low (unacceptable) results by all labs for the round
- H: Percent of high (unacceptable) results by all labs for the round
- A: Round meets performance criteria and is acceptable
- N: Round does not meet performance criteria and is not acceptable

[^]Round Score for Lab:

- A: Result acceptable
- H: Result > upper performance limit, not acceptable
- L: Result < lower performance limit, not acceptable
- Pass: Round Score \geq 75%
- Fail: Round Score < 75%

^{^^}Three-Round Score for Lab:

- Number of rounds with passing score in last 3 consecutive rounds
- P: Proficient (passing score in two (2) of the last three (3) consecutive PT rounds)
- N: Not Proficient (failing score in two (2) of the last three (3) consecutive PT rounds)