

Internal ZBT-ESR QC

Intended Use:

ZBT-ESR Internal QC is designed to check the accuracy and precision of the ZBT-ESR analyzer. In this tube, erythrocyte sedimentation is simulated using defined optical segments. With this method, the complete optical detection channel of the analyzer can be verified.

Preparing:

ZBT-ESR Internal QC does not need any preparation. The user can directly insert the QC tubes into the analyzer channel.

Maintenance:

ZBT-ESR Internal QC does not require any special temperature or humidity conditions. The user must handle the tubes carefully to avoid glass breakage.

HOW TO USE:

No Need to turn on QC Mode

Low QC (Green Cap): To perform the Low QC test, insert the **Black Cap QC tube** into the channel and start the test. Allow it to run for **3 minutes**. After 3 minutes, remove the Black Cap tube and immediately insert the **Green Cap QC tube (Low Control)** into the same channel without any delay.

High QC (Red Cap): To perform the High QC test, insert the **Black Cap QC tube** into the channel and start the test. Allow it to run for **3 minutes**. After 3 minutes, remove the Black Cap tube and immediately insert the **Red Cap QC tube (High Control)** into the same channel without any delay.

Notes:

1. Temperature correction: Observed and acceptable values are adjusted to 18°C as per the Manley table.
2. Do not use tubes if there are any breakages or scratches on them.

Precision Check:

ZBT-ESR Low QC (Green)	
N	ZBT-ESR Value (mm/hr)
1	19
2	18
3	20
4	21
5	18

ZBT-ESR High QC (Red)	
N	ZBT-ESR Value (mm/hr)
1	125
2	131
3	136
4	133
5	129

	Observed Value	Acceptable Value
ZBT-ESR QC Low (Green)	20	± 10
ZBT-ESR QC High (Red)	130	± 20