

ACT-ROBOT

Fully Automated Spin Tube System
for Blood Group Serology



LORNE
LABORATORIES

 **CYTOTECH**
INSTRUMENTS

Walkaway System

ACT-Robot is the ideal instrument for stepping forward from manual to automatic processing.

Applications:

- Antibody screening:
 - Indirect Coombs test
 - Enzyme test
 - Polybrene test
- Antibody identification
- Crossmatch test
- ABO forward and reverse blood group typing
- Rh blood group typing
- Direct Coombs test
- Phenotyping
- Titration

Benefits and Features:

- Highly cost-efficient system
- No disposables required
- Self-cleaning system
- Maximum flexibility and adaptability
- Clearly readable results
- User friendly
- Minimum user intervention is required
- Communication with the hospital laboratory system
- Full traceability - sedimentation curves/video clips of doubtful results

Throughput:

- Full ABO/Rh typing: 16 patients/hour
- Coombs screening (3 cells): 18 patients/hour

Main characteristics:

- Fully automated walkaway instrument
- Continuous liquid level monitoring
- Digitalized results
- Multi-diameter tube loading without adaptor

Quality control

- ACT-Robot verifies the expiry date of all reagents
- Password-controlled access for each user

Loading capacity:

- 23 reagents
- 24 patient samples
- Centrifuge capacity: 36 tube

