

# ZOOM

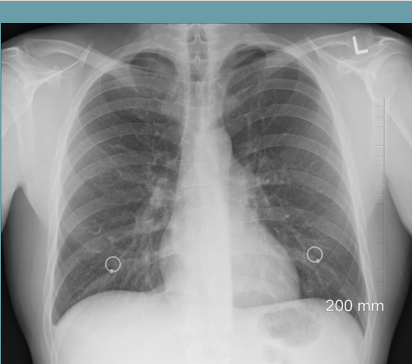
sebia



“Large scale screening”

## A1AT Guthrie New Sampling Method

## $\alpha$ 1-antitrypsin (A1AT) phenotyping on dried blood spot (DBS) samples



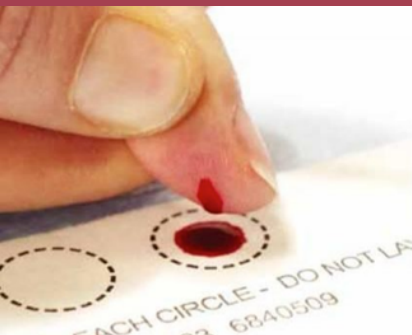
### Intended use

$\alpha$ 1-antitrypsin deficiency is an under-diagnosed condition that predisposes the patient to chronic respiratory and liver disorders. Sebia have introduced dried blood spot (DBS) sampling to enable large-scale screening.



### References

- **PN 4357**  
HYDRAGEL 18 A1AT  
ISOFOCUSING
- **PN 4584** diluent for A1AT  
dry blood spot sample
- **PN 4589** DTT diluent (IF/IT)

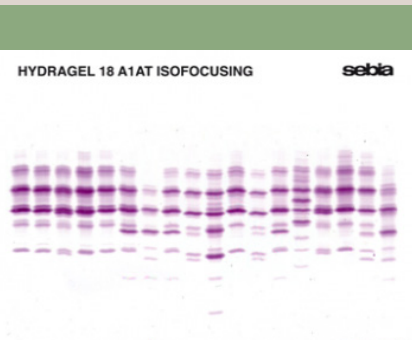


### Advantages

- Simplified and less invasive collection method
- Simple storage and transport (up to 3 weeks at 18°C - 22°C)
- Uses the standard HYDRAGEL 18 A1AT ISOFOCUSING kit with a specific program dedicated to Guthrie sampling

### Instrument

- HYDRASYS FOCUSING  
- Software v7.01.18
- HYDRASYS 2 FOCUSING  
- Software v2.31
- Program A1AT Focusing  
Guthrie (on HYDRASYS &  
HYDRASYS 2 SCAN)



### A1AT technique performances

- Gold standard for the A1AT deficient phenotypes detection
- Excellent resolution<sup>a</sup>
- Highly reproducible<sup>a</sup>
- Detects most of the frequent A1AT deficient phenotypes<sup>a</sup>

### Publications

- Balduyck et al. 2014
- <sup>a</sup>Zerimech et al. 2008