



# THE BEST WAY TO PHOTOGRAPH ALS EVIDENCE



- Easily Photograph Areas of Fluorescence in low light conditions
- System fully integrated into Cortexflo
- ALS Images can be cropped and annotated
- Hardware comprises of custom ring light with white and 455 Nm LEDS and an orange filter holder
- ALS Training available
- Exam room not in total darkness

*"The Cortexflo ALS system is not about using ALS; it's the ease of photographing fluorescing images of potential evidence with ALS."*

Cortexflo ALS completely changes the way this forensic evidence collection technique is carried out. By combining a series of innovative hardware and software components – a forensic medical examiner can now easily locate, photograph, and swab an area.

ALS stands for Alternative Light Source a forensic evidence collection technique that identifies areas that might contain evidential DNA relevant to a patient using a 455 Nm blue light.

The ALS process is controlled by the Cortexflo software to detect any traces of potential evidence that fluoresces on a patient's body or clothing using the custom ring light and orange filter which easily attaches to the end of the camera lens.

The examination room lighting can be dimmed but the room does not have to be put into complete darkness which is hugely beneficial to the patient who could be further traumatized by undergoing a conventional ALS examination.



The Cortexflo ALS technique is a twostep process, the examiner and patient must put on a pair of orange safety glasses and then the examiner switches the ring light mounted on the end of the camera lens from white light to blue light.

A magnetized orange filter is attached to the camera lens so the examiner will be able to photograph any traces of fluorescence on the patient's body or clothing. There is a brightness control for the blue light which can be increased or decreased to adjust the intensity of the ALS.

The Cortexflo software automatically detects that the orange filter has been attached and adjusts the camera settings for low light photography. The examiner can then take photographs of any areas of fluorescence.

The orange filter is easily removed - placed on its holder and the ring light switched back to white light so the examiner can now take a photograph to show the exact position where they found the area of fluorescence.

This capability to easily switch between light modes and take a photograph is a very significant new feature as an examiner can now fully document their findings which could deliver a key piece of evidence that could assist in securing a conviction based on the DNA that was previously unseen to the naked eye.



Patient Name		+	
Case Number		Click to add case logo	
Examiner Name / Title			
Practice Name			
Signature			

  

POTENTIAL EVIDENCE FINDINGS ON A SHORT SLEEVED SHIRT - OUTSIDE		Number the areas of potential evidence on the clothing diagram then enter the findings next to the same number in the table below	
Describe Type of Finding (include color, location and size)	White Light Findings (Describe Measurement)	ALS (Magnetized Lens with Orange Filter Findings) (Describe Measurement)	
1			
2			
3			
4			
5			
6			

  

Front	Back	Left	Right

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## CLOTHING MAPS

To assist in the charting of the forensic findings found during an ALS examination a comprehensive series of clothing maps have been created that can be customized with a facility's logo. These can be used to document any areas of potential evidence so that the report has a clear and professional presentation format.



### US HEADQUARTERS

**Phone**  
844-CORTEXF or (844) 267-8393

**Email**  
[info@cortexflo.com](mailto:info@cortexflo.com)

**Address**  
1910 Abbott Street, Suite 201  
Charlotte, NC 28203  
United States

### EMEA OFFICE

**Phone**  
033 3340 8800

**Email**  
[info@cortexflo.com](mailto:info@cortexflo.com)

**Address**  
6C Stella House, Building 2, Asparagus Way  
Evesham, Worcestershire  
WR11 1GN, UK