MANUFACTURING AND PRODUCTION

Cleaning Validation and Cross Contamination Control

3 day course Classroom, online or in-house

Course overview

A plant that makes more than one product has to prove that the previous product does not appear in the next one, and the proof rests on a limit that must be justified toxicologically rather than chosen for convenience. This course covers building that case. Delegates work through cross contamination routes in shared facilities, including equipment, air handling, operators and tooling. Health based exposure limits are addressed, covering permitted daily exposure and the derivation that supports an acceptance limit. Worst case product and equipment selection follow, including the grouping and bracketing that make a programme manageable. Cleaning procedure development is covered, since a procedure that cannot be executed the same way twice cannot be validated. Sampling methods follow: swab, rinse, recovery studies and the sites that are genuinely hardest to clean. Analytical methods and detection limits are addressed. Campaign manufacture, changeover and dedicated equipment decisions follow. The course closes on continued verification and on inspection findings.

What you will learn

- Map cross contamination routes in a shared facility
- Derive health based exposure limits and acceptance criteria
- Select worst case products and equipment through grouping
- Develop cleaning procedures that can be executed repeatably
- Design swab and rinse sampling with recovery studies
- Match analytical methods to the required detection limit
- Decide on dedication, manage changeover and maintain verification

Who should attend

- Validation specialists in pharmaceutical manufacturing
- Quality assurance and quality control staff
- Production supervisors responsible for changeover
- Engineering staff designing cleaning systems
- Regulatory affairs staff supporting inspections

Course outline

01 Proving the last product is gone
02 Cross contamination routes
03 Health based exposure limits
04 Acceptance limit derivation
05 Worst case selection, grouping and bracketing
06 Cleaning procedure development
07 Swab, rinse and recovery studies
08 Analytical limits, changeover and continued verification

Upcoming dates

Dates	Venue	Format	Fee per delegate
21 to 23 September 2026	Kigali, Rwanda	Classroom	USD 995
28 to 30 October 2026	Accra, Ghana	Classroom	USD 995
25 to 27 January 2027	Harare, Zimbabwe	Classroom	USD 995
3 to 5 February 2027	Pretoria, South Africa	Classroom	R14,950

Fees and how to register

This 3 day course is **R6,500** per delegate online, **R14,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 995** in the classroom elsewhere in Africa. In-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit **www.afrisciencegroup.com**, email **info@afriscience.co.za**, or WhatsApp us on **+27 63 479 1136**.

AfriScience Group | +27 61 536 6531 | info@afriscience.co.za | Pretoria, Gauteng, South Africa