



# UNIVERSITÀ DEGLI STUDI DI MILANO

SELEZIONE PUBBLICA, PER TITOLI ED ESAMI, PER IL RECLUTAMENTO DI N. 1 UNITÀ DI PERSONALE CON RAPPORTO DI LAVORO SUBORDINATO A TEMPO DETERMINATO DI CATEGORIA C - AREA TECNICA, TECNICO-SCIENTIFICA ED ELABORAZIONE DATI, PRESSO L'UNIVERSITÀ DEGLI STUDI DI MILANO - DIPARTIMENTO DI SCIENZE FARMACOLOGICHE E BIOMOLECOLARI - CODICE 21874

La Commissione giudicatrice del concorso, nominata con Determina Direttoriale n. 17477 del 5.11.2021, composta da:

Prof.ssa Restani Patrizia	Presidente
Prof. Pinto Andrea	Componente
Sig.ra Marinello Cristina	Componente
Dott. Bosi Giampaolo	Segretario

comunica i quesiti relativi alla prova orale.

## QUESITI BUSTA N.01

Limite di rilevabilità e di quantizzazione (LOD e LOQ).  
Principi ed applicazione della cromatografia di affinità  
Leggere e tradurre il seguente testo:

### **Abstract**

Anaphylaxis is a clinical emergency which all healthcare professionals need to be able to recognize and manage. The European Academy of Allergy and Clinical Immunology Anaphylaxis multidisciplinary Task Force has updated the 2014 guideline. The guideline was developed using the AGREE II framework and the GRADE approach. The evidence was systematically reviewed and recommendations were created by weighing up benefits and harms. The guideline was peer-reviewed by external experts and reviewed in a public consultation. The use of clinical criteria to identify anaphylaxis is suggested with blood sampling for the later measurement of tryptase. The prompt use of intramuscular adrenaline as first-line management is recommended with the availability of adrenaline autoinjectors to patients in the community. Pharmacokinetic data should be provided for adrenaline autoinjector devices. Structured, comprehensive training for people at risk of anaphylaxis is recommended. Simulation training and visual prompts for healthcare professionals are suggested to improve the management of anaphylaxis. It is suggested that school policies reflect anaphylaxis guidelines. The evidence for the management of anaphylaxis remains mostly at a very low level. There is an urgent need to prioritize clinical trials with the potential to improve the management of patients at risk of anaphylaxis.

### **KEYWORDS**

adults, anaphylaxis, children, guidelines



## QUESITI BUSTA N:02

Scelta del detector ottimale per l'analisi di matrici alimentari.

Esempi di applicazione della tecnica ELISA.

Leggere e tradurre il seguente testo:

**Abstract:** Milk is considered a complete food because all of the nutrients important to fulfill a newborn's daily requirements are present, including vitamins and minerals, ensuring the correct growth rate. A large amount of global milk production is represented by cow, goat, and sheep milks; these species produce about 87% of the milk available all over the world. However, the milk obtained by minor dairy animal species is a basic food and an important family business in several parts of the world. Milk nutritional properties from a wide range of minor dairy animal species have not been totally determined. Hot temperatures and the lack of water and feed in some arid and semi-arid areas negatively affect dairy cows; in these countries, milk supply for local nomadic populations is provided by camels and dromedaries. The nutritional quality in the milk obtained from South American camelids has still not been completely investigated, the possibility of creating an economic resource for the people living in the Andean highlands must be evaluated. Both mare and donkey milks show a chemical composition very similar to human milk, and they represent a good replacer of cows' milk for infants nutrition, especially for children affected by cow milk proteins allergy. In this review, differences and similarities in the quality parameters of milk from minor dairy animals, such as camelids and equids, have been compared.

Milano, 30 novembre 2021

La Commissione

Prof.ssa Restani Patrizia - Presidente

Dott. Pinto Andrea - Componente

Sig.ra Marinello Cristina - Componente

Dott. Bosi Giampaolo - Segretario